claims as they stood prior to amendment. Examination of the application as amended is respectfully requested.

Respectfully submitted,
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Date: February 28, 2002

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## APPENDIX OF MARKED-UP VERSION OF CLAIMS

1(Amended). Method for measuring the pressure *p* in an eye, the so-called intraocular pressure, that includes a contact body with a known geometry, being pressed against the eye with a gradually increasing force *F* and that when the area of deformation of the eye *A* can be determined, the pressure can be obtained from the correlation, $P = F/A$ characterised in that the frequency characteristic $(f_{char})$ of a contact body associated with a sensor system oscillating in resonance is read, that the contact body is pressed against the eye to form a new system oscillating in resonance, that the contact force and frequency characteristic for the new system is read, and that the change in frequency characteristic is calculated, whereby the pressure of the eye can then be determined since the deformation area *A* sought is a function of the change $A(f_{char})$.

5(Amended). Method according to [any of claims 1 - 4] claim 1 characterised in that the frequency characteristic is described by one of either the change in resonance frequency for the change in phase φ.

6(Amended). Device for measuring the internal pressure in an eye, the so-called intraocular pressure, having a contact body (4) for pressing against the eye (1) and a means (3) of determining the force with which the contact body is pressed against the eye, characterised in that the contact body (4) is part of a system oscillating in resonance, and that the resonance system is connected to a [means (9) for reading the] frequency characteristic reading device of the system.

8(Amended). Device according to claim 6 or 7 characterised in that the contact body (4) has a flat surface of contact (5) and that the contact surface preferably has a structure [5] or a pattern.

9(Amended). Device according to [any of claims 6 to 8] claim 6 characterised in that [a means is arranged for calculating] it includes a device arranged to calculate the change in frequency characteristic.

10(Amended). Device according to [any of claims 6 or 7] claim 6 or 7 characterised in that the contact surface (5) is concave, preferably with a radius of curvature that exceeds the radius of curvature of the surface of the eye against which it is intended to be pressed.

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